A Quick Introduction to Plotting in PyLab

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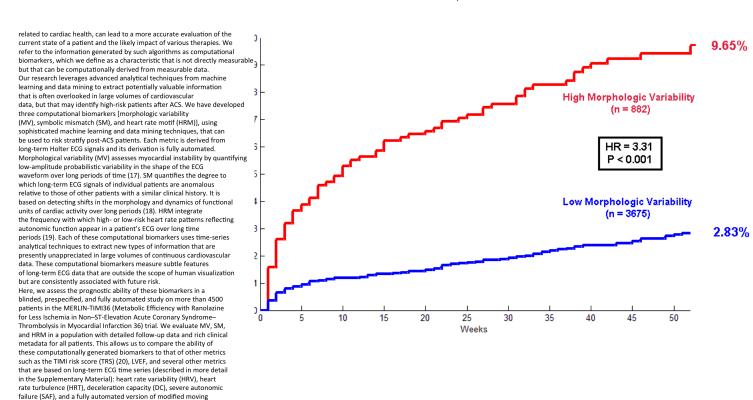
Text Can Be Useful

6.00x started on October 1, 2012

The instructors are Eric Grimson, Chris Terman, and John Guttag

It's lots of work!

A Picture Is Worth 10,000 Words



6.00x Plotting

average T-wave alternans (TWA). We also study the incremental information

provided by computational biomarkers relative to existing metrics through orthogonal statistical approaches to assess their effect on discrimination and reclassification of CVD after ACS.

A Hierarchy of Open-source Python Libraries

NumPy adds vectors, matrices, and many high-level mathematical functions

Scipy adds mathematical classes and functions useful to scientists

MatPlotLib adds an object-oriented API for plotting

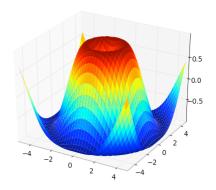
PyLab combines the other libraries to provide a MATLAB-like interface

Some Useful Web Pages

http://matplotlib.org/api/pyplot_summary.html

http://www.scipy.org/Plotting Tutorial

http://matplotlib.sourceforge.net/users/customizing.html.



pylab.plot

The first two arguments to pylab.plot must be sequences of the same length.

First argument gives x-coordinates.

Second argument gives y-coordinates.

Points plotted in order. As each point is plotted, a line is drawn connecting it to the previous point.